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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/748,066	12/22/2000	Thomas Zech	Westphal.6007	3230

7590

03/18/2003

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EXAMINER

LEON, EDWIN A

ART UNIT

PAPER NUMBER

2833

DATE MAILED: 03/18/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/748,066

Applicant(s)

ZECH ET AL.

Examiner

Edwin A. León

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 January 2003.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 10-15 is/are allowed.
- 6) ☒ Claim(s) 1-5, 7 and 8 is/are rejected.
- 7) ☒ Claim(s) 6 and 9 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. Applicant's amendment filed January 13, 2003, in which Claims 1, 10 and 15 have been amended, has been placed of record in the file as Paper No. 8.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-5, and 7-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Broschard, III (U.S. Patent No. 5,893,767). With regard to Claim 1, Broschard, III discloses a socket connector (20) that mates with a plug connector (90) to establish an electrical plug connector assembly, the socket connector (20) comprising: a housing (22) that includes a socket receiving aperture (28) having a center axis (center of aperture 28) formed by a housing wall (front of 22); a U-shaped first contact part (40) mounted within the housing (22) and including first and second walls (42,36) that are

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nominally parallel; and a second contact part (54) mounted within the housing (22) to nominally contact the first movable contact part (42) in order provide an electrical connection between the first (40) and second (54) contact parts, wherein when the plug connector (90) is inserted along the center axis (center of aperture 28) into the socket receiving aperture (28) the first wall (42) flexes radially with respect to the center axis (center of aperture 28) breaking the electrical connection between the U-shaped contact part (40) and the second contact part (54). See Figs. 1-7.

With regard to Claim 2, Broschard, III discloses the first wall (42) flexing radially away from the second wall (54) when the plug connector (90) is inserted into the socket receiving aperture (28). See Figs. 1-7.

With regard to Claim 3, Broschard, III discloses the first (42) and second (54) walls being integrally connected by a semicircular wall (44) of the U-shaped first contact part (40), and the socket connector (20) comprises a radially outward sloped guide wall (Fig. 2) mounted to the first wall (42), wherein the sloped guide wall (Fig. 2) facilitates moving the first wall (42) radially away from the second wall (54) as the plug connector (90) is inserted into the socket receiving aperture (28). See Figs. 1-7.

With regard to Claim 4, Broschard, III discloses a connection plate (50) integrally attached to the U-shaped first contact part (40). See Figs. 1-7.

With regard to Claim 5, Broschard, III discloses a least one holding protrusion (48) integrally attached to the U-shaped first contact part (40). See Figs. 1-7.

With regard to Claim 7, Broschard, III discloses the housing (22) including an insulating part (23) into which the second contact part (54) and the U-shaped first contact part (40) are inserted and operable positioned. See Figs. 1-7.

With regard to Claim 8, Broschard, III discloses the second contact part (54) and the U-shaped first contact part (40) each comprising at least one holding protrusion (64,48) that engages the insulating part (23) to hold the second contact part (54) and the U-shaped first contact part (40) axially in place. See Figs. 1-7.

Allowable Subject Matter

4. Claims 10-15 are allowed.
5. Claims 6 and 9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The references fail to teach, disclose, or suggest, either alone or in combination, the housing being pot-shaped and including a central pass-through opening for inserting the contact pin of the plug connector, the U-shaped first contact part extending at least partially into the pass-through opening, the insulating part including at least one identification protrusion that extends from a main body of the insulating part, wherein the identification protrusion identifies the position of the socket connector, a contact pin that runs axially through at least a portion of the length of the plug housing, and includes a pin base portion and a pin projecting portion; and a spring loaded slider shell that in

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spaced relationship coaxially surrounds the pin projecting portion, wherein the slider shell axially slides upward when the plug connector is inserted into the socket connector to expose the pin projecting portion that axially projects beyond the spring loaded slider shell and engages the first wall causing the first wall to radially flex relative to the second wall.

Response to Arguments

6. Applicant's arguments with respect to claims 1-5, and 7-8 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

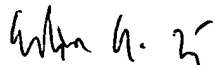
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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

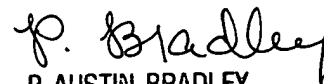
8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (703) 308-6253. The examiner can normally be reached on Monday - Friday 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (703) 308-2319. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



Edwin A. Leon
AU 2833



P. AUSTIN BRADLEY
SUPERVISORY PATENT EXAMINER
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EAL
March 11, 2003